

NASA TECH BRIEF



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Training Manual on Optical Alignment Instruments

Training Manual RQA/M5, entitled *Optical Alignment (Basic)*, provides a basic course of instruction in the use of optical instruments (optical tooling) for precise dimensional control and alignment of structural elements and assemblies, such as associated with space vehicles, aircraft, ships, and buildings. Optical tooling includes instruments such as alignment telescopes, transits, optical sight levels, and theodolites. Information in this profusely illustrated manual is presented under the following chapter headings:

- Introduction
- Optical Principles
- Care and Handling of Optical Instruments
- Alignment Telescopes
- Optical Sight Levels
- Jig Transits and Transit Squares
- Auto-Reflection, Auto-Collimation, Collimation, Collineation
- Theodolites
- Collimators
- Tooling Bars
- Glossary of Optical Tooling Terms

Note:

The Training Manual RQA/M5 is available from:
Clearinghouse for Federal Scientific
and Technical Information
Springfield, Virginia 22151
Price \$3.00
Reference: TSP68-10574

Patent status:

No patent action is contemplated by NASA.
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Training Manual on Control Alignment Instruments

Note:

The following information is for informational purposes only and should not be used as a basis for training or as a substitute for the training manual.

For more information, contact the following:

1. NASA

2. NASA

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